

01-16-02

A

UTILITY PATENT APPLICATION TRANSMITTAL	Attorney Docket No.:	CR00302M
	First Inventor:	TRIPATHI, ET AL.
	Title:	ADAPTIVE TURBO DECISION FEEDBACK EQUALIZATION METHOD AND DEVICE
	Express Mail Label No.:	EK647971225US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS (see MPEP chapter 600 concerning utility patent application contents)	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231
--------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------

1. <input checked="" type="checkbox"/> Fee Transmittal Form in duplicate (Submit an original and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27 3. <input checked="" type="checkbox"/> Specification Total Pages <input type="text" value="20"/> (preferred arrangement set forth below) -Descriptive title of the invention -Cross Reference to Related Applications -Statement Regarding Fed sponsored R&D -Reference to sequence listing, a table, -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) Total Sheets <input type="text" value="3"/> 5. Oath or Declaration a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/ divisional with Box 18 completed) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet under 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CFR) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-4 (2 copies); ii. <input type="checkbox"/> or paper c. <input type="checkbox"/> Statements verifying identify of above copies 
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## ACCOMPANYING APPLICATION PARTS

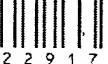
9. ☒ Assignment Papers (cover sheet & document(s))  
10. ☒ 37 CFR 3.73(b) ☒ Power of Attorney  
Statement (when there is an assignee)  
11. ☐ English Translation Document (if applicable)  
12. ☒ IDS  Copies of IDS Citations  
13. ☐ Preliminary Amendment  
14. ☒ Return Receipt Postcard (MPEP 503)  
15. ☐ Certified Copy of Priority Document  
16. ☐ Nonpublication Request under 35 U.S.C.  
122(b)(2)(B)(i). Applicant must attach form  
PTO/SB/35 or its equivalent.  
17. ☐ Other: \_\_\_\_\_

18. IF A CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in- Part (CIP)	Prior Appl. No. <input type="text"/>
Prior Appl. information:		Examiner: <input type="text"/>	Group/Art Unit: <input type="text"/>

For CONTINUATION OR DIVISIONAL APPS only The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		or	<input type="checkbox"/> Correspondence address below
Name	DANIEL W. JUFFERNBRUCH		
Address	Motorola, Inc. - Law Department		
City	Schaumburg	State	IL
Country	U.S.A.	Telephone	847-538-3129
Name	DANIEL W. JUFFERNBRUCH	Registration No.	33,122
SIGNATURE	Date		10/19/2001

10/19/01  
10/19/01

COPY OF PAPERS  
ORIGINALLY FILED

10/19/01  
10/19/01

10/19/01  
10/19/01

10/19/01  
10/19/01

<b>FEE TRANSMITTAL</b>  Patent fees are subject to annual revision		Complete if Known	
		Application Number	
		Filing Date	10/19/2001
		First Named Inventor	VINAYAK TRIPATHI
		Examiner Name	
		Group Art Unit	
TOTAL AMOUNT OF PAYMENT	(\$ 1,212.00)	Attorney Docket No.	CR00302M

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																																																											
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account Number <span style="border: 1px solid black; padding: 2px;">13-4772</span> Deposit Account Name <span style="border: 1px solid black; padding: 2px;">Motorola, Inc.</span>  <input checked="" type="checkbox"/> Charge Any Additional Fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27	<b>3. ADDITIONAL FEES</b>  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th></th> <th></th> <th></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late Provisional filing</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td></tr> <tr><td>147</td><td>2520</td><td>147</td><td>2520</td><td>For filing a request for ex parte Reexamination</td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>113</td><td>1840*</td><td>113</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td></tr> <tr><td>118</td><td>1440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td></tr> <tr><td>128</td><td>1960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td></tr> <tr><td>138</td><td>1510</td><td>138</td><td>1510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td></tr> <tr><td>141</td><td>1280</td><td>241</td><td>640</td><td>Petition to revive - unintentional</td></tr> <tr><td>142</td><td>1280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of IDS</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td></tr> <tr><td colspan="5">Other fee (specify) _____</td></tr> </tbody> </table>	Large Entity	Small Entity				Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	105	130	205	65	Surcharge - late filing fee or oath	127	50	227	25	Surcharge - late Provisional filing	139	130	139	130	Non-English specification	147	2520	147	2520	For filing a request for ex parte Reexamination	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	113	1840*	113	1840*	Requesting publication of SIR after Examiner action	115	110	215	55	Extension for reply within first month	116	400	216	200	Extension for reply within second month	117	920	217	460	Extension for reply within third month	118	1440	218	720	Extension for reply within fourth month	128	1960	228	980	Extension for reply within fifth month	119	320	219	160	Notice of Appeal	120	320	220	160	Filing a brief in support of an appeal	121	280	221	140	Request for oral hearing	138	1510	138	1510	Petition to institute a public use proceeding	140	110	240	55	Petition to revive - unavoidable	141	1280	241	640	Petition to revive - unintentional	142	1280	242	640	Utility issue fee (or reissue)	143	460	243	230	Design issue fee	144	620	244	310	Plant issue fee	122	130	122	130	Petitions to the Commissioner	123	50	123	50	Processing fee under 37 CFR 1.17(q)	126	180	126	180	Submission of IDS	581	40	581	40	Recording each patent assignment per property (times number of properties)	146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	179	740	279	370	Request for Continued Examination (RCE)	169	900	169	900	Request for expedited examination of a design application	Other fee (specify) _____				
Large Entity		Small Entity																																																																																																																																																										
Fee Code		Fee (\$)	Fee Code	Fee (\$)	Fee Description																																																																																																																																																							
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																								
127	50	227	25	Surcharge - late Provisional filing																																																																																																																																																								
139	130	139	130	Non-English specification																																																																																																																																																								
147	2520	147	2520	For filing a request for ex parte Reexamination																																																																																																																																																								
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																								
113	1840*	113	1840*	Requesting publication of SIR after Examiner action																																																																																																																																																								
115	110	215	55	Extension for reply within first month																																																																																																																																																								
116	400	216	200	Extension for reply within second month																																																																																																																																																								
117	920	217	460	Extension for reply within third month																																																																																																																																																								
118	1440	218	720	Extension for reply within fourth month																																																																																																																																																								
128	1960	228	980	Extension for reply within fifth month																																																																																																																																																								
119	320	219	160	Notice of Appeal																																																																																																																																																								
120	320	220	160	Filing a brief in support of an appeal																																																																																																																																																								
121	280	221	140	Request for oral hearing																																																																																																																																																								
138	1510	138	1510	Petition to institute a public use proceeding																																																																																																																																																								
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																								
141	1280	241	640	Petition to revive - unintentional																																																																																																																																																								
142	1280	242	640	Utility issue fee (or reissue)																																																																																																																																																								
143	460	243	230	Design issue fee																																																																																																																																																								
144	620	244	310	Plant issue fee																																																																																																																																																								
122	130	122	130	Petitions to the Commissioner																																																																																																																																																								
123	50	123	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																								
126	180	126	180	Submission of IDS																																																																																																																																																								
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																								
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																								
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																								
179	740	279	370	Request for Continued Examination (RCE)																																																																																																																																																								
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																								
Other fee (specify) _____																																																																																																																																																												
<b>2. <input type="checkbox"/> Payment Enclosed</b> <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																																																																												
<b>FEE CALCULATION</b>  <b>BASIC FILING FEE</b>  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>370</td><td>Utility filing fee</td><td>740</td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td><td><b>(\$)</b></td></tr> </tbody> </table>	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	101	740	201	370	Utility filing fee	740	106	330	206	165	Design filing fee		107	510	207	255	Plant filing fee		108	740	208	370	Reissue filing fee		114	160	214	80	Provisional filing fee		<b>SUBTOTAL (1)</b>					<b>(\$)</b>																																																																																																																		
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																							
101	740	201	370	Utility filing fee	740																																																																																																																																																							
106	330	206	165	Design filing fee																																																																																																																																																								
107	510	207	255	Plant filing fee																																																																																																																																																								
108	740	208	370	Reissue filing fee																																																																																																																																																								
114	160	214	80	Provisional filing fee																																																																																																																																																								
<b>SUBTOTAL (1)</b>					<b>(\$)</b>																																																																																																																																																							
<b>2. EXTRA CLAIM FEES</b>  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Previously Paid**</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>20</td> <td>10</td> <td>18</td> <td>180</td> </tr> <tr> <td>Independent Claims</td> <td>6</td> <td>3</td> <td>84</td> <td>252</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>280</td> <td></td> </tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42</td><td>* Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>* Reissue claims in excess of 20 and over original Patent</td></tr> <tr><td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td><td><b>(\$ 432)</b></td></tr> </tbody> </table>	Total Claims	Previously Paid**	Extra Claims	Fee from below	Fee Paid	30	20	10	18	180	Independent Claims	6	3	84	252	Multiple Dependent			280		Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	103	18	203	9	Claims in excess of 20	102	84	202	42	Independent claims in excess of 3	104	280	204	140	Multiple dependent claim, if not paid	109	84	209	42	* Reissue independent claims over original patent	110	18	210	9	* Reissue claims in excess of 20 and over original Patent	<b>SUBTOTAL (2)</b>					<b>(\$ 432)</b>																																																																																																				
Total Claims	Previously Paid**	Extra Claims	Fee from below	Fee Paid																																																																																																																																																								
30	20	10	18	180																																																																																																																																																								
Independent Claims	6	3	84	252																																																																																																																																																								
Multiple Dependent			280																																																																																																																																																									
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description																																																																																																																																																								
103	18	203	9	Claims in excess of 20																																																																																																																																																								
102	84	202	42	Independent claims in excess of 3																																																																																																																																																								
104	280	204	140	Multiple dependent claim, if not paid																																																																																																																																																								
109	84	209	42	* Reissue independent claims over original patent																																																																																																																																																								
110	18	210	9	* Reissue claims in excess of 20 and over original Patent																																																																																																																																																								
<b>SUBTOTAL (2)</b>					<b>(\$ 432)</b>																																																																																																																																																							
**OR NUMBER PREVIOUSLY PAID, IF GREATER THAN STANDARD ALLOWANCE *For Reissues, see above																																																																																																																																																												
<b>SUBMITTED BY</b> Name (Print/Type) <span style="border: 1px solid black; padding: 2px;">DANIEL W. JUFFERNBRUCH</span> Signature _____																																																																																																																																																												
Complete (if applicable) Registration No. <span style="border: 1px solid black; padding: 2px;">33,122</span> Telephone <span style="border: 1px solid black; padding: 2px;">847-538-3129</span> Date <span style="border: 1px solid black; padding: 2px;">10/19/2001</span>																																																																																																																																																												